

LISTING OF CLAIMS

The following is a listing of all new claims in this reissue application showing proposed changes relative to the original patent in compliance with 37 C.F.R. §1.173(b)(2) and (d).

Original claims 1-16 (Not Amended).

17. (New) A building component, comprising:

first and second insulating foam panels arranged to define therebetween a space for receiving pourable building material, and

at least two bridging members extending between and connecting said panels, each bridging member comprising:

a pair of end plates;

a thin narrow strip member joining the mid-areas of said end plates;

a series of first narrow bracing members extending from positions adjacent a mid-point of said narrow strip member to positions spaced a short distance from the ends of said end plates; and

a series of second narrow bracing members extending from positions on said first bracing members to positions on said strip member intermediate said plates and said mid-point of said strip member.

18. (New) The building component of claim 17, wherein said end plates are elongated and are orientated substantially vertically.

19. (New) The building component of claim 17, wherein said end plates extend substantially from a top end to a bottom end of said panels.

20. (New) The building component of claim 17, wherein said pair of end plates abut against outer surfaces of said panels.

21. (New) The building component of claim 17, wherein said bridging members are molded into said panels.

22. (New) The building component of claim 17, wherein each of said bridging members further comprises first and second transverse stiffeners extending vertically along said bridging member and substantially flush with inner surfaces of said first and second panels.

23. (New) A bridging member for connecting opposed foam panels of an insulated concrete form wall, said bridging member comprising:

a pair of end plates;

a thin narrow strip member joining the mid-areas of said end plates;

a series of first narrow bracing members extending from positions adjacent a mid-point of said narrow strip member to positions spaced a short distance from the ends of said end plates; and

a series of second narrow bracing members extending from positions on said first bracing members to positions on said strip member intermediate said plates and said mid-point of said strip member.

24. (New) A building component, comprising:

first and second insulating foam panels each having inner and outer surfaces, a top and a bottom, said panels being arranged to define a space therebetween for receiving pourable building material;

at least two bridging members extending between and connecting said panels; and

wherein said outer surface of said first panel is profiled to extend outwardly and upwardly from said bottom thereof to said top thereof to define a supporting shelf.

25. (New) The building component of claim 24, wherein said outer surface of said first panel includes a lower vertical part, an upper vertical part, and an intermediate part connecting said lower and upper parts, said intermediate part being angled relative to said vertical parts.

26. (New) The building component of claim 24, wherein said top of said first panel is substantially thicker than said bottom thereof, and wherein said inner surface is partially cut away in areas spaced from said bridging members of said first panel.

27. (New) The building component of claim 26 wherein said cut away parts follow the profile of, but are spaced from, said outer surface of said first panel.

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28. (New) The building component of claim 24, wherein said first panel further includes at least two members extending inwardly from said first panel inner surface, each of said extending members having a top portion, a bottom portion and an intermediate portion extending therebetween, said top portion being substantially thicker than said bottom portion.

29. (New) The building component of claim 28, wherein said extending members comprise partitions connected with said first panel.

30. (New) The building component of claim 29, wherein said partitions are integrally formed from insulating foam material with said first panel.

31. (New) The building component of claim 28, wherein each of said bridging members include a first end connected to one of said extending members and a second end connected to said second panel.

32. (New) The building component of claim 28, wherein each of said bridging members include a pair of end plates, with a first one of said end plates being molded into one of said extending members and a second one of said end plates being molded into said second panel.

33. (New) The building component of claim 32, wherein one of said end plates of each bridging member abuts the outer surface of one of said first and second panels.

34. (New) The building component of claim 24, wherein said bridging members are molded into said first and second panels.

35. (New) The building component of claim 24, wherein said bridging members include a pair of end plates, wherein one of said end plates abuts the outer surface of one of said first and second panels.

36. (New) The building component of claim 24, wherein said bridging members are formed integrally from one piece of material.

37. (New) The building component of claim 24, wherein said bridging members are disposed symmetrically about a vertical axis.

38. (New) The building component of claim 28, wherein said top portions of said extending members define at least a portion of said supporting shelf.

39. (New) The building component of claim 24, wherein said supporting shelf includes a top surface of building material received within said space.

40. (New) The building component of claim 24, wherein the building material received within said space defines a vertical wall portion integral with said supporting shelf.

41. (New) A building component, comprising:
first and second insulating foam panels arranged to define therebetween a space for receiving pourable building material, and

at least two bridging members extending between and connecting said panels, each bridging member comprising:

a pair of end plates;

a thin narrow strip member joining the mid-areas of said end plates;

a series of first narrow bracing members extending from positions adjacent a mid-point of said narrow strip member to positions spaced a short distance from the ends of said end plates;

a series of second narrow bracing members extending from positions on said first bracing members to positions on said strip member intermediate said end plates and said mid-point of said strip member; and

wherein said outer surface of said first panel is profiled to extend outwardly and upwardly from said bottom thereof to said top thereof to define a supporting shelf.

42. (New) A building component, comprising:

first and second insulating foam panels arranged in spaced parallel relationship to define therebetween a space for receiving pourable building material, and

at least two bridging members extending between and connecting said panels, each bridging member comprising:

a pair of end plates;

a thin narrow strip member joining the mid-areas of said end plates;

a series of first narrow bracing members extending from positions adjacent a mid-point of said narrow strip member to positions spaced a short distance from the ends of said end plates; and

a series of second narrow bracing members extending from positions on said first bracing members to positions on said strip member intermediate said plates and said mid-point of said strip member.

43. (New) A building component, comprising:

first and second high density foam panels each having inner and outer surfaces, a top portion and a bottom portion, said panels arranged to define a space therebetween for receiving pourable building material,

at least two partitions extending from said inner surface of said first panel to form cavities integral with said space, each partition comprising a bridging member extending between and connecting said panels; and

wherein a portion of said outer surface of said first panel extends at an obtuse angle with respect to the bottom portion such that building material poured into said space flows into said cavities to form with said first panel a supporting shelf.

44. (New) A building component, comprising:

first and second insulating foam panels arranged in spaced parallel relationship to define therebetween a space for receiving pourable building material, and

at least two bridging members extending between and connecting said panels, each bridging member comprising:

a pair of end plates;

a thin narrow strip member joining the mid-areas of said end plates;

a series of first narrow bracing members extending from positions adjacent a mid-point of said narrow strip member to positions spaced a short distance from the ends of said end plates;
and

a series of second narrow bracing members extending from positions on said first bracing members to positions on said strip member intermediate said plates and said mid-point of said strip member;

wherein said outer surface of said first panel comprises a portion extending at an angle relative to the vertical to define a supporting shelf.

45. (New) An insulated wall formed from a pourable building material, said wall comprising:

a first building component having a top and bottom and including first and second foam panels each having inner surfaces, said first and second panels arranged in spaced parallel relationship defining a first space having a first width for receiving pourable building material, and at least two first bridging members extending between and connecting said first and second panels;

a second building component having a top and bottom and including third and fourth foam panels each having a panel thickness, at least two panel connecting partitions extending inwardly from said third panel, at least two second bridging members extending between and

connecting said third panel to said fourth panel through said panel connecting partitions, and wherein said outer surface of said third panel comprises a portion profiled to extend outwardly and upwardly relative to the vertical and defines with said fourth panel a second space in fluid communication with said first space, and said second space includes a cavity defined by said third panel and said partitions, said cavity having a width at the top thereof that is substantially greater than the panel thickness at the bottom of said third panel:

a wall having a width approximately equal to the first width and formed by building material received in said first and second spaces; and

a finger formed by building material received in said cavity, said finger defining with said third panel a supporting shelf, and said shelf being integral with said wall.

46. (New) A building component comprising:

first and second insulating foam panels each having inner and outer surfaces, a top and a bottom, said panels being arranged to define a space therebetween for receiving pourable building material;

at least two bridging members extending between and connecting said panels; and

wherein said first insulating foam panel includes a first part having a first width and a second part having a second width, said second width being greater than said first width to define a supporting shelf, said first panel including a third part intermediate said first and second parts, said third part being profiled to extend outwardly and upwardly relative to the first part.

47. (New) The building component of claim 46, wherein said outer surface of said first panel comprises an outer surface of each of said first, second, and third parts.

48. (New) The building component of claim 47, wherein said outer surface of said third part is angled relative to and joins said outer surfaces of said first and second parts.

49. (New) The building component of claim 48, wherein said outer surface of said third part is profiled to extend outwardly and upwardly at an obtuse angle relative to said outer surface of the first part.

50. (New) The building component of claim 49, wherein said outer surfaces of said first and second parts are substantially vertical.

51. (New) The building component of claim 46, wherein said second panel has a width substantially the same as the first width.

52. (New) The building component of claim 46, wherein said inner surface of said first panel is partially cut away in areas spaced from said bridging members thereof.

53. (New) The building component of claim 52, wherein said cut away parts follow the profile of, but are spaced from, said outer surface of said first panel.

54. (New) The building component of claim 46, wherein said first panel further includes at least two members extending inwardly from said first panel inner surface, each of said extending members having a top portion, a bottom portion and an intermediate portion extending therebetween, said top portion being substantially thicker than said bottom portion.

55. (New) The building component of claim 54, wherein said extending members comprise partitions connected with said first panel.

56. (New) The building component of claim 55, wherein said partitions are integrally formed from insulating foam material with said first panel.

57. (New) The building component of claim 54, wherein each of said bridging members include a first end connected to one of said extending members and a second end connected to said second panel.

58. (New) The building component of claim 54, wherein each of said bridging members include a pair of end plates, with a first one of said end plates being molded into one of said extending members and a second one of said end plates being molded into said second panel.

59. (New) The building component of claim 58, wherein one of said end plates of each bridging member abuts the outer surface of one of said first and second panels.

60. (New) The building component of claim 46, wherein said bridging members are molded into said first and second panels.

61. (New) The building component of claim 46, wherein said bridging members include a pair of end plates, wherein one of said end plates of each bridging member abuts the outer surface of one of said first and second panels.

62. (New) The building component of claim 46, wherein said bridging members are formed integrally from one piece of material.

63. (New) The building component of claim 46, wherein said bridging members are disposed symmetrically about a vertical axis.

64. (New) The building component of claim 54, wherein said top portions of said extending members define at least a portion of said supporting shelf.

65. (New) The building component of claim 46, wherein said supporting shelf includes a top surface of building material received within said space.

66. (New) The building component of claim 46, wherein the building material received within said space defines a vertical wall portion integral with said supporting shelf.

67. (New) The building component of claim 13, wherein said bridging members extend through both the inner and outer surfaces of said other one of said panels.

68. (New) The building component of claim 67, wherein said bridging members include a pair of end plates, wherein one of said end plates of each bridging member abuts the outer surface of said other panel.

69. (New) The building component of claim 13, wherein said one panel further includes at least two members extending inwardly from said inner surface of said one panel, each of said extending members having a top portion, a bottom portion and an intermediate portion extending therebetween, said top portion being substantially thicker than said bottom portion.

70. (New) The building component of claim 69, wherein said extending members comprise partitions connected with said one panel.

71. (New) The building component of claim 70, wherein said partitions are integrally formed from insulating foam material with said one panel.

72. (New) The building component of claim 69, wherein each of said bridging members include a first end connected to one of said extending members of said one panel and a second end connected to said other panel.

73. (New) The building component of claim 69, wherein said top portions of said extending members define at least a portion of a supporting shelf with said substantially thicker top of said one panel.

74. (New) The building component of claim 73, wherein said supporting shelf includes a top surface of building material received within a space between said panels.

75. (New) The building component of claim 74, wherein the building material received within said space defines a vertical wall portion integral with said supporting shelf.

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76. (New) The building component of claim 13, wherein said bridging members are formed integrally from one piece of material.

77. (New) The building component of claim 24, wherein said outer surface of said first panel comprises a portion extending at an obtuse angle relative to the vertical.